Permit #: **#28.0701-04-01C**

Effective Date: **Draft**

SOUTH DAKOTA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

AIR QUALITY

CONSTRUCTION PERMIT

Steven M Pirner, Secretary
Department of Environment and Natural Resources

Under the South Dakota Air Pollution Control Regulations

Pursuant to Chapter 34A-1-21 of the South Dakota Codified Laws and the Air Pollution Control Regulations of the State of South Dakota and in reliance on statements made by the owner designated below, a permit to construct and operate is hereby issued by the Secretary of the Department of Environment and Natural Resources. This permit authorizes such owner to construct and operate the permitted unit(s) at the location designated below and under the listed conditions.

A. Owner

1. Company Name and Mailing Address

NuStar Pipeline Operation Partnership L.P. – Wolsey Terminal
7430 West 21 Street, Suite 200
Wichita, Kansas 67205

2. Actual Source Location if Different from Above

20746 US Hwy 281
PO Box 218
Wolsey, SD 57384

3. Permit Contact

Suzanna McMillan
HSE Coordinator
(316) 721-7029

4. Facility Contact

Same as Above

5. Responsible Official

Gerald R. Koegeboehn
Vice President/General Manager Central East Region
(316) 721-7052

B. Permit Revisions

Not Applicable

C. Type of Operation

Refined petroleum pipeline distribution terminal

Table of Contents

Page

Table of Contents

1.0 Standard Conditions

1.1 Construction and operation of source

In accordance with Administrative Rules of South Dakota (ARSD) 74:36:20:15(9), the owner or operator shall construct and operate the units, controls, and processes as described in Table 1-1 in accordance with the statements, representations, and supporting data contained in the complete permit application received April 9, 2012, unless modified by the conditions of this permit. Except as otherwise provided herein, the control equipment in Table 1-1 shall be operated at all times in accordance with the manufacturer's specification and in a manner that achieves compliance with the conditions of this permit. The application consists of the application forms, supporting data, and supplementary correspondence. If the owner or operator becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in an application, such information shall be promptly submitted.

Table 1-1 – Description of Permitted Units, Operations, and Processes

Unit	Description	Maximum Operating Rate	Control Device
#12	Tank 50-3 - 2012 Tank – Model TBD	2,100,000 gallon	Not Applicable

1.2 Duty to comply

In accordance with ARSD 74:36:20:15(12)(a) and (c), the owner or operator shall construct and operate in compliance with the conditions of this permit. An owner or operator who knowingly makes a false statement in any record or report or who falsifies, tampers with, or renders inaccurate, any monitoring device or method is in violation of this permit. A violation of any condition in this permit is grounds for enforcement, reopening this permit, permit termination, or denial of an application to operate. The owner or operator, in an enforcement action, cannot use the defense that it would have been necessary to cease or reduce the permitted activity to maintain compliance. The owner or operator shall provide any information requested by the Secretary to determine compliance or whether cause exists for reopening or terminating this permit.

1.3 Property rights or exclusive privileges

In accordance with ARSD 74:36:20:15(12)(b), the issuance of this permit, adoption of design criteria, and approval of plans and specifications does not convey any property rights of any sort, any exclusive privileges, any authorization to damage, injure or use any private property, any authority to invade personal rights, any authority to violate federal, state or local laws or regulations, or any taking, condemnation or use of eminent domain against any property owned by third parties. The State does not warrant the owner's or operator's compliance with this permit, design criteria, approved plans and specifications, and operation under this permit, will not cause damage, injury or use of private property, an invasion of personal rights, or violation of federal, state or local laws or regulations. The owner or operator is solely and severally liable for all damage, injury or use of private property, invasion of personal rights, infringement of federal,

state or local laws and regulations, or taking or condemnation of property owned by third parties, which may result from actions taken under the permit.

1.4 Penalty for violating a permit condition

In accordance with South Dakota Codified Laws (SDCL) 34A-1-39 and 34A-1-47, a violation of a permit condition may subject the owner or operator to civil or criminal prosecution, a state penalty of not more than $10,000 per day per violation, injunctive action, administrative permit action, and other remedies as provided by law.

1.5 Inspection and entry

In accordance with SDCL 34A-1-41, the owner or operator shall allow the Secretary to:

1. Enter the premises where a regulated activity is located or where pertinent records are stored;
2. Have access to and copy any records that are required under this permit;
3. Inspect the construction and operations regulated under this permit; and/or
4. Sample or monitor any substances or parameters for the purpose of assuring compliance.

1.6 Severability

In accordance with ARSD 74:36:20:15(11), any portion of this permit that is void or challenged shall not affect the validity of the remaining permit requirements.

1.7 Credible evidence

In accordance with ARSD 74:36:13:07, credible evidence may be used for the purpose of establishing whether the owner or operator has violated or is on violation of this permit. Credible evidence is as follows:

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at the source:
    a. A monitoring method approved for the source pursuant to 40 CFR § 70.6(a)(3) and incorporated in this permit; or
    b. Compliance methods specified in an applicable plan;
2. The following testing, monitoring, or information gathering methods are presumptively credible testing, monitoring, or information-gathering methods:
    a. Any monitoring or testing methods approved in this permit, including those in 40 CFR Parts 51, 60, 61, and 75; or
    b. Other testing, monitoring, or information-gathering methods that produce information comparable to that produced by any method in section (1) or (2)(a).

2.0 Construction and Operating Permit Deadlines

2.1 Commence construction

In accordance with ARSD 74:36:20:21, this permit becomes invalid if the owner or operator has not commenced construction within 18 months of the effective date of this permit; discontinued construction for a period of 18 months or more; or construction is not completed within 10 years of the effective date of this permit.

2.2 Submit operating permit application

In accordance with ARSD 74:36:20:20, the owner or operator shall submit a complete permit application for an operating permit pursuant to ARSD 74:36:05. A complete permit application for a Title V air quality operating permit shall be submitted within 12 months after the initial startup of Tank 50-3. For the purpose of this permit condition, initial startup means filling the tank with refined petroleum products, intermediate petroleum products and/or fuel blend stocks.

3.0 PERMIT REVISIONS

3.1 Administrative permit amendment

In accordance with ARSD 74:36:20:16 and 74:36:20:17, the Secretary shall determine whether an administrative permit amendment is applicable to a proposed revision within 15 days from receiving a request for a permit revision. The Secretary shall issue an administrative permit amendment without the procedural requirements applicable to obtaining this construction permit. As provided in ASRD 74:36:01:03, the Secretary considers a proposed revision an administrative permit amendment if the proposed revision accomplishes one of the following:

1. Corrects typographical errors;
2. Changes the name, address, or phone number of any person identified in this permit or provides a similar minor administrative change at the source;
3. Requires more frequent monitoring or reporting by the source;
4. The ownership or operational control of a source changes and the Secretary determines that no other change in this permit is necessary. However, the new owner must submit a certification of applicant form and a written statement specifying the date for transfer of operating permit responsibility, coverage, and liability; or
5. Any other change that the Secretary determines to be similar to those requirements in this condition.

3.2 Reopening permit

In accordance with ARSD 74:36:20:18 and 74:36:20:19, the Secretary may reopen this permit for further review if the Secretary determines the permit contains a material mistake in establishing the emissions standard or limits or other requirements of the construction permit or the Secretary determines the construction permit must be revised to ensure compliance with the applicable requirements of ARSD 74:36 and the federal Clean Air Act. The Secretary shall notify the owner

or operator 30 days prior to reopening a construction permit or in a shorter time period in an emergency. The reopening of this construction permit shall follow the same procedural requirements to issue a construction permit and shall affect only those parts of the permit for which cause to reopen exist.

4.0 RECORDKEEPING AND REPORTING

4.1 Recordkeeping and reporting

In accordance with ARSD 74:36:20:15(10), the owner or operator shall maintain all monitoring data, records, reports, and pertinent information specified by this permit for five years from the date of sample, measurement, report, or application. The records shall be maintained on site for the first two years and may be maintained off site for the last three years. All records must be made available to the Secretary for inspection. All notifications and reports shall be submitted to the following address:

South Dakota Department of Environment and Natural Resources
PMB 2020, Air Quality Program
523 E. Capitol, Joe Foss Building
Pierre, SD 57501-3181

4.2 Construction date notification

In accordance with ARSD 74:36:07:01, as referenced to 40 CFR § 60.7(a)(1), the owner or operator shall notify the Secretary of the date construction commenced on the Tank 50-3. The notification shall be postmarked no later than 30 days after such date.

4.3 Initial startup notification

In accordance with ARSD 74:36:07:01, as referenced to 40 CFR § 60.7(a)(3), the owner or operator shall notify the Secretary of the actual date of initial startup of the Tank 50-3. The notification shall be postmarked no later than 15 days after such date. For the purpose of this permit condition, initial startup means filling the tank with refined petroleum products, intermediate petroleum products and/or fuel blend stocks

4.4 Certification statement

In accordance with ARSD 74:36:20:15(10), all documents required by this permit, including application forms, reports, and compliance certification, must be certified by a responsible official or a duly authorized representative. The certification shall include the following statement:

> "I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document and all attachments are true, accurate, and complete."

4.5 Reporting permit violations

In accordance with ARSD 74:36:20:15(10), the owner or operator shall report all permit violations. A permit violation should be reported as soon as possible, but no later than the first business day following the day the violation was discovered. The permit violation may be reported by telephone to the South Dakota Department of Environment and Natural Resources at (605) 773-3151 or by FAX at (605) 773-5286.

A written report shall be submitted within five days of discovering the permit violation. Upon prior approval from the Secretary, the submittal deadline for the written report may be extended up to 30 days. The written report shall contain:

1. A description of the permit violation and its cause(s);
2. The duration of the permit violation, including exact dates and times; and
3. The steps taken or planned to reduce, eliminate, and prevent reoccurrence of the permit violation.

5.0 CONTROL OF REGULATED AIR POLLUTANTS

5.1 Visibility limit

In accordance with ARSD 74:36:12:01, the owner or operator may not discharge into the ambient air an air contaminant of a density equal to or greater than that designated as 20 percent opacity from any permitted unit, operation, or process listed in Table 1-1, unless otherwise specified in this permit. This provision does not apply when the presence of uncombined water is the only reason for failure to meet the requirement.

5.2 Visibility exceedances

In accordance with ARSD 74:36:12:02, an exceedance of the operating limit in permit condition 5.1 is not considered a violation during brief periods of soot blowing, start-up, shutdown, or malfunctions. A malfunction is described as any sudden and unavoidable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. A failure caused entirely or in part by poor maintenance, careless operation, preventable equipment breakdown, or any other cause within the control of the owner or operator of the source is not a malfunction and is considered a violation.

5.3 Circumvention not allowed

In accordance with ARSD 74:36:07:01, as referenced to 40 CFR § 60.12, the owner or operator may not install, use a device, or use a means that conceals or dilutes an air emission that would otherwise violate this permit. This includes operating a unit or control device that emits air pollutants from an opening other than the designed stack, vent, or equivalent opening.

5.4 Minimizing emissions

In accordance with ARSD 74:36:08:03, as referenced to 40 CFR § 63.6(e)(1)(i), the owner or operator shall at all times, including periods of startup, shutdown, and malfunction, operate and maintain any permitted unit, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. During a period of startup, shutdown, or malfunction, this general duty to minimize emissions requires the owner or operator to reduce emissions from the permitted unit to the greatest extent which is consistent with safety and good air pollution control practices. The general duty to minimize emissions during a period of startup, shutdown, or malfunction does not require the owner or operator to achieve emission levels that would be required by the applicable standard at other times if this is not consistent with safety and good air pollution control practices, nor does it require the owner or operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Secretary which may include, but is not limited to, monitoring results, review of operation and maintenance procedures (including a startup, shutdown, and malfunction plan, if required), review of operation and maintenance records, and inspection of the operation.

6.0 PERFORMANCE TESTS

6.1 Performance test may be required

In accordance with ARSD 74:36:11:02, the Secretary may request a performance test. A performance test shall be conducted while operating the unit at or greater than 90 percent of its maximum design capacity, unless otherwise specified by the Secretary. A performance test that is conducted while operating at less than 90 percent of its maximum design capacity will result in the operation being limited to the percent achieved during the performance test. The Secretary has the discretion to extend the deadline for completion of the performance test required by the Secretary if circumstances reasonably warrant but will not extend the deadline past a federally required performance test deadline.

6.2 Test methods and procedures

In accordance with ARSD 74:36:11:01, the owner or operator shall conduct the performance test in accordance with 40 CFR Part 60, Appendix A, 40 CFR Part 63, Appendix A, and 40 CFR Part 51, Appendix M. The Secretary may approve an alternative method if a performance test specified in 40 CFR Part 60, Appendix A, 40 CFR Part 63, Appendix A, and 40 CFR Part 51, Appendix M is not applicable or required.

6.3 Representative performance test

In accordance with ARSD 74:36:07:01, as referenced to 40 CFR § 60.8(c), performance tests shall be conducted under such conditions as the Secretary shall specify to the owner or operator based on the representative performance of the unit being tested. The owner or operator shall

make available to the Secretary such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in this permit.

6.4 Submittal of test plan

In accordance with ARSD 74:36:11:01, the owner or operator shall submit the proposed testing procedures to the Secretary at least 30 days prior to any performance test. The Secretary will notify the owner or operator if the proposed test procedures are approved or denied. If the proposed test procedures are denied, the Secretary will provide written notification that outlines what needs to be completed for approval.

6.5 Notification of test

In accordance with ARSD 74:36:11:03, the owner or operator shall notify the Secretary at least 10 days prior to the start of a performance test to arrange for an agreeable test date when the Secretary may observe the test. The Secretary may extend the deadline for the performance test in order to accommodate schedules in arranging an agreeable test date.

6.6 Performance test report

In accordance with ARSD 74:36:20:15(10), the owner or operator shall submit a performance test report to the Secretary within 60 days after completing the performance test or by a date designated by the Secretary. The performance test report shall contain the following information:

1. Description of the process and the air pollution control system being tested;
2. Sampling location description(s);
3. A description of sampling and analytical procedures and any modifications to standard procedures;
4. Test results expressed in units consistent with the applicable emission limit;
5. Quality assurance procedures and results;
6. Records of unit's operating conditions during the test (e.g., operating rate, fuel type);
7. Raw data sheets for field sampling and field and laboratory analyses;
8. Documentation of calculations;
9. All data recorded and used to establish parameters for compliance monitoring; and
10. Any other information required by the test method.

7.0 40 CFR Part 60 Subpart Kb – Volatile Organic Liquid Storage Vessels

7.1 Internal floating roof specifications for tanks

In accordance with ARSD 74:36:07:14, as referenced to 40 CFR § 60.112b(a)(1), the owner or operator shall install and maintain a fixed roof with an internal floating roof on Tank 50-3. The internal floating roof shall meet the following specifications:

1. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside the storage vessel. The internal floating roof shall be floating on the liquid surface at all times except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the cover is resting on the leg supports shall be continuous and accomplished as rapidly as possible;
2. The internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:
   a. A liquid mounted seal. A liquid mounted seal means a foam or liquid filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank;
   b. A double-seal system. A double-seal system is two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor mounted, but both seals must be continuous; or
   c. A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof;
3. Each opening in a non-contact internal floating roof, except for automatic bleeder vents and the rim space vents, is to provide a projection below the liquid surface;
4. Each opening in the internal floating roof, except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains, is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when in use;
5. Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the leg supports. Rim vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting;
6. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening;

7. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover; and
8. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

7.2 Tank dimension records

In accordance with ARSD 74:36:07:14, as referenced to 40 CFR § 60.116b(a) and (b), the owner or operator shall maintain records showing the dimension and an analysis showing the capacity of Tank 50-3. These records must be maintained for the life of the tank.

7.3 Record of products stored in tanks

In accordance with ARSD 74:36:07:14, as referenced to 40 CFR § 60.116b(a) and (c), the owner or operator shall maintain a record of the volatile organic liquid stored, the period of storage, and the maximum true vapor pressure of the liquid during the respective storage period for Tank 50-3. These records must be maintained for at least two years from the date of such record.

7.4 Initial tank report

In accordance with ARSD 74:36:07:14, as referenced to 40 CFR § 60.115b(a)(1), the owner or operator shall furnish the Secretary with a report that describes the internal floating roof and certifies the installed internal floating roof meets the specifications in permit condition 7.1. The report shall be attached to the initial startup notification in permit condition 4.3 and maintain a copy of the report for at least 2 years.

7.5 Tank inspection record

In accordance with ARSD 74:36:07:14, as referenced to 40 CFR § 60.115b(a)(2), the owner or operator shall maintain records of each inspection performed as required by permit condition 7.8 and 7.9. Each record shall identify the tank on which the inspection was performed and shall contain the date the tank was inspected, and the observed condition of the seals, internal floating roof, and fittings. Each record must be maintained for at least two years from the date of such record.

7.6 Notification of visual tank inspections

In accordance with ARSD 74:36:07:14, as referenced to 40 CFR § 60.113b(a)(5), the owner or operator shall notify the Secretary 30 days prior to conducting a visual inspection or periodic tank inspection of Tank 50-3 as required in permit condition 7.8 and 7.9. If the visual inspection was not planned and the owner or operator could not have known about the inspection 30 days in advance, the owner or operator shall notify the Secretary at least seven days prior to conducting the inspection. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned.

7.7 Tank defect report

In accordance with ARSD 74:36:07:14, as referenced to 40 CFR § 60.115b(a)(3) and (4), if any defects described in permit condition 7.8 and 7.9 are detected during an inspection, a report shall be submitted to the Secretary within 30-days of the inspection. Each report shall identify the storage vessel, the nature of each defect, the date the storage vessel was emptied (if applicable), the date each defect was repaired, and a list of each repair made. A copy of this report must be maintained for at least two years.

7.8 Visual inspection prior to filling

In accordance with ARSD 74:36:07:14, as referenced to 40 CFR § 60.113b(a)(1), the owner or operator shall visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service) prior to filling Tank 50-3 with volatile organic liquid. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the owner or operator shall repair the items before filling the storage vessel.

7.9 Periodic tank inspections

In accordance with ARSD 74:36:07:14, as reference to 40 CFR § 60.113b(a)(2) through (4), the owner or operator shall visually inspect Tank 50-3 on a periodic basis as specified below:

1. If the storage vessel is equipped with a liquid mounted primary seal, mechanical shoe primary seal, or double seal system, visually inspect the internal floating roof and the primary seal or secondary seal (if one is in service) at least once every 12 months after the initial fill. The visual inspection may be conducted through manholes and roof hatches on the fixed roof. A failure occurs if the internal roof is not resting on the surface of the volatile organic liquid inside the storage vessel, there is liquid accumulated on the roof, the seal is detached, or there are holes or tears in the seal fabric. The owner or operator shall either repair the internal floating roof and/or the primary seal or secondary seal or empty or remove the storage vessel from service within 45 days of discovering a failure. The owner or operator may request a 30-day extension if the tank cannot be repaired or emptied within 45 days of discovering a failure. The written request for the 30-day extension shall be included with the report required in permit condition 7.7. The Secretary will grant a 30-day extension if the extension request documents that alternate storage capacity is unavailable and specifies a schedule of actions the owner or operator will take that will assure that the equipment will be repaired or the vessel will be emptied as soon as possible; and
2. The owner or operator shall visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a double seal system is installed, this type of visual inspection shall occur at intervals no greater than five years. A visual inspection of other seal systems shall occur at intervals no greater than 10 years. The owner or operator shall repair internal floating roof defects, holes, tears, or other

openings in the primary or secondary seal or the seal fabric, gaskets that no longer close off the liquid surfaces from the atmosphere, or slotted membrane with more than 10 percent open area before refilling the storage vessel with volatile organic liquids.

7.10 Storage tank alarm

In accordance with ARSD 74:36:20:15(9), the owner or operator shall install, operate, and maintain an alarm system on Tank 50-3 that warns the owner or operator when the liquid surface drops below the height of the support legs.

8.0 40 CFR Part 63 Subpart R – Gasoline Distribution Facilities

8.1 Gasoline throughput and operational parameter restrictions

In accordance with ARSD 74:36:08:12, as referenced to 40 CFR § 63.420(a)(1) and (c)(1), the owner or operator shall not exceed the value of the gasoline throughput or operational parameters listed in Table 8-1 in any 30-day rolling period.

Table 8-1 – Gasoline Throughput and Operational Parameter Values

Terminal	CF	T_F	CE	T_E	T_{ES}	T_I	C	K	Q	OE	E_T
Wolsey	0.161	0	0	0	0	5	16,500	4.52 E-06	1,224,069	0.673	0.971

Where:

- E_T = Emissions screening factor for bulk gasoline terminals
- CF = Fuel factor (1.0 for reformulated and 0.161 for all other gasoline);
- T_F = The number of fixed roof gasoline storage tanks with no internal floating roofs;
- CE = Control efficiency of the vapor processing system on the storage vessels;
- T_E = The number of external floating roof gasoline storage tanks with only primary roof seals;
- T_{ES} = The number of external floating roof gasoline storage tanks with primary and secondary roof seals;
- T_I = The number of fixed roof gasoline storage tanks with an internal floating roof;
- C = The number of pumps, valves, connectors, load arm valves, and open ended lines in gasoline service;
- K = 4.52E-06 for racks without controlled vapor collection and processing systems;
- Q = Gasoline throughput limit in liters per day; and
- OE = Total HAP from other emission sources not specified by the other parameters.

8.2 Proposed change to gasoline throughput or operational parameters

In accordance with ARSD 74:36:08:12, as referenced to 40 CFR § 63.420(c)(2) and 63.428(i)(4), the owner or operator may submit a written notice to request a change to the gasoline throughput or any operational parameters listed in Table 8-1 prior to an exceedance of the gasoline throughput or operational parameter. The written notice shall consist of the following:

1. Name of facility, permit number, and reference to this permit condition;
2. A description of the change and the potential emissions resulting from the change;
3. A written proposal that lists the existing operational parameters, operational parameter changes, the screening equation, and the result of the screening equation;
4. The proposed schedule for changing the operational parameter(s); and
5. A signed certification as described in permit condition 5.3.

A request to change the gasoline throughput or operational parameter in Table 8-1 is considered a minor permit amendment if the proposed change is entered in Equation 8-1 and result in a value of "E_T" less than one and the Secretary determines no other state or federal requirements are applicable. A proposed change that results in an "E_T" equal to or greater than one is considered a permit modification.

Equation 8-1 – Screening Equation for an Area Source

$$E_T = CF\left[0.59(T_F)(1-CE) + 0.17(T_E) + 0.08(T_{ES}) + 0.038(T_I) + 8.5\times10^{-6}(C) + KQ\right] + 0.04(OE)$$

Where:

- E_T = Emissions screening factor for bulk gasoline terminals;
- CF = Fuel factor (1.0 for reformulated and 0.161 for all other gasoline);
- T_F = The number of fixed roof gasoline storage tanks with no internal floating roofs;
- CE = Control efficiency of the vapor processing system on the storage vessels;
- T_E = The number of external floating roof gasoline storage tanks with only primary roof seals;
- T_{ES} = The number of external floating roof gasoline storage tanks with primary and secondary roof seals;
- T_I = The number of fixed roof gasoline storage tanks with an internal floating roof;
- C = The number of pumps, valves, connectors, load arm valves, and open ended lines in gasoline service;
- K = 4.5E-9(EF + L) for racks with controlled vapor collection and processing system;
- EF = emission rate limitation on potential to emit for the gasoline cargo tank loading rack vapor processor outlet emissions (35 mg/l);
- L = 13 mg per liter for gasoline cargo tanks meeting the requirement to satisfy the test criteria for a vapor tight gasoline tank truck in§ 60.51;
- Q = Gasoline throughput limit in barrels/day (convert to liters/day); and
- OE = Total HAP from other emission sources not specified by the other parameters.

8.3 NESHAP for gasoline distribution requirements

A proposed change to an operational parameter in Table 8-1 that results in an "E_T" value equal to or greater than one as calculated by Equation 8-1 will require the owner or operator to comply

with ARSD 74:36:08:12, as referenced to 40 CFR, Part 63, Subpart R before the proposed change may be implemented.

8.4 Daily gasoline throughput and operational parameter records

In accordance with ARSD 74:36:08:12, as referenced to 40 CFR § 63.420(c)(2) and 40 CFR § 63.428(i)(2), the owner or operator shall maintain daily records and a 30 day rolling total to document that the gasoline throughput and operational parameters listed in Table 8-1 have not been exceeded.

8.5 Annual gasoline throughput and operational parameter report

In accordance with ARSD 74:36:08:12, as referenced to 40 CFR § 63.420(c)(2) and 40 CFR § 63.428(i)(3), the owner or operator shall submit an annual report to the Secretary. The annual report shall include the following information:

1. Name of facility, permit number, reference to this permit condition, identifying the submittal as an annual report, and calendar dates covered in the reporting period; and
2. A statement that the gasoline throughput and operational parameters in Table 8-1 have not been exceeded during the reporting period.

The annual report must be postmarked no later than 30 days (January 30th) after the end of the reporting period.

9.0 40 CFR Part 63 Subpart BBBBBB – Gasoline Distribution Terminals

9.1 Gasoline storage tanks exempt from requirements

In accordance with ARSD 74:36:08:106, as referenced to 40 CFR § 63.11087(f), the owner or operator of a gasoline storage tank subject to and complies with the requirements in Chapter 7.0 is deemed in compliance with Chapter 9.0.

10.0 RECOMMENDATION

A review of this facility indicates it can construct and operate in compliance with South Dakota's Air Pollution Control rules and the federal Clean Air Act. The Secretary, therefore, recommends the Board of Minerals and Environment issue this air quality construction permit with conditions to ensure compliance with SDCL 34A-1 and the federal Clean Air Act. Any questions pertaining to the Secretary's recommendation should be directed to Emily Schock, Engineer I, at (605) 773-3151.